



Industrie Service

W.L. Gore & Associates GmbH
Hermann-Oberth-Straße 26
85640 Putzbrunn

The above organization is hereby entitled, based on certificate No. 20 03 9045 006 and the appendant test report, to affix the certification body's certification mark shown below to his product GORE® GR Sheet Gasketing.



The product satisfies the following requirements:

TA-Luft:

The test conditions to proof the leak tightness according to VDI 2200 (June 2007) are the following:

Gasket thickness	1,5 mm	3,0 mm	6,0 mm
Initial surface pressure	30 MPa	30 MPa	30 MPa
Thermal storage	230 °C	230 °C	230 °C
Storage period	48 h	48 h	48 h
Test temperature	ambient temperature	ambient temperature	ambient temperature
Test pressure	1 bar (difference)	1 bar (difference)	1 bar (difference)
Remaining surface pressure Q_R	13.3 MPa	8.4 MPa	4,0 MPa
Leakage	$4.3 \cdot 10^{-6} \frac{\text{mbar} \cdot \text{l}}{(\text{s} \cdot \text{m})}$	$9.0 \cdot 10^{-6} \frac{\text{mbar} \cdot \text{l}}{(\text{s} \cdot \text{m})}$	$7,2 \cdot 10^{-6} \frac{\text{mbar} \cdot \text{l}}{(\text{s} \cdot \text{m})}$

Compliance with the leakage rate of $1 \cdot 10^{-4} \text{ mbar} \cdot \text{l}/(\text{s} \cdot \text{m})$ according to VDI 2440 (November 2000) is verified.

The product is thus a high-quality gasket as defined by TA-Luft.



Blow-out resistance:

The blow-out safety per VDI 2200 was tested and the product passed:

Gasket thickness	1,5 mm	3,0 mm	6,0 mm
Test step 1 at Q _R	60 bar no blow-out	60 bar no blow-out	40 bar no blow-out
Test step 2 at 5 MPa	60 bar no blow-out	50 bar no blow-out	40 bar no blow-out

TRwS:

The test results confirm that the flange connection as designed meets the technical tightness level required of Bauart A (TRwS).

Pressure Equipment Directive – PED:

The gasket also fulfils the requirements of the Pressure Equipment Directive 2014/68/EU (Replaces Pressure Equipment Directive 97/23/EG).

Product description:

GORE® GR Sheet Gasketing consists of 100 % expanded PTFE (polytetrafluoroethylene), with multidirectional strength.

This certificate is valid until **March 2023**.
Annual monitoring of production.

Munich, 11 March 2020

TÜV SÜD Industrie Service GmbH
Institute for Plastics

i. A. Schweizer

